

National Winter Service Research Group (NWSRG) Business Plan 2014 onwards

1 & 4	<p>Route selection</p> <p>Treatment on footways & cycleways</p> <p>(now a combined project)</p>	<p>Development of a risk based approach to enable Service Providers to select routes (carriageways, footways and cycle ways)</p> <p>Review of winter service on footways and cycle ways, The route selection topic should cover what should be considered for treatment. The review would consider the types of de-icer</p>	July 2015	<p>Two chapters for NWSRG Practical Guide for Winter Service.</p> <p>2 – Route selection and optimisation</p> <p>10 – Winter Service on footways and cycleways</p>	NWSRG Research contractor (TRL), NWSRG Working Group 3C	Sam Webb	Work on Appendix H took priority over all other business plan targets.
2 & 3	<p>Weather forecasting</p> <p>Road weather information systems</p> <p>(now a combined project)</p>	<p>Development of guidance on weather forecasting.</p> <p>Development of guidance on road weather information systems.</p>	July 2015	<p>One chapter for NWSRG Practical Guide for Winter Service.</p> <p>3 - Weather forecasting and the use of RWIS</p>	NWSRG Research contractor (TRL), NWSRG Working Group 3B	Chris Cranston	Work on Appendix H took priority over all other business plan targets.
5	<p>De-icers for extreme cold</p>		March 2013	<p>Chapter 8 of the NWSRG Practical Guide for Winter Service.</p> <p>8 – Treatments for</p>	NWSRG Research contractor, NWSRG Working Group 3E	Christopher Plumb	Completed and delivered

				extreme cold			
6	Winter treatment decision maker training	Development of guidance on training for those involved in winter service including decision makers	March 2015	One chapter for NWSRG Practical Guide for Winter Service. 11 – Winter treatment decision maker training	NWSRG and IHE Group 3D	Chris Cranston, Tony Bemrose, David Davies, Richard Hayes, Tim Holland	Two trial courses have been held. Accreditation system now being finalised.
7	Training and dissemination based around Appendix H		Sep 2013	Presentations with delegate packs for winter service practitioners at 5 venues across the UK	NWSRG Research contractor and industry associates	David Davies	Completed.
8	Calibration of spreaders, verification and checking (extension of existing project)	Provision of guidance to highway authorities at depots on the calibration of salt spreaders, their verification and monitoring to enable authorities to facilitate the introduction of reduced spread rates.	April 2015	Training and packs on spreader calibration procedures, verification and monitoring	NWSRG Research contractor, NWSRG Working Group 3A	Peter Turland	Work on Appendix H took priority over all other business plan targets
9	Improving efficiency and cost effectiveness of winter service provision	Review of the information needed by Service Providers to provide efficient winter service at minimum cost.	March 2016	One chapter for NWSRG Practical Guide for Winter Service. 12 – Improving efficiency and cost effectiveness of Winter Service	NWSRG Research contractor, NWSRG Working Group 3D (to be formed)	TBA	Proposed Project
10	Use of winter tyres	Review of the performance of winter tyres and their use in Europe and the UK. Examination of the cost benefit of winter tyres to fleet operators	March 2016	One chapter for NWSRG Practical Guide for Winter Service 13 – Use of Winter Tyres	NWSRG Research contractor (TRL), NWSRG Working Group 3B	David Davies	Proposed Project

11	Customer expectations and public information	Review of the expectations of road users and other members of the public in winter conditions, Preparation of guidance to promote the safety and reduced congestion in winter conditions. Preparation of guidance on how members of the public can become involved in winter service,	March 2016	One chapter for NWSRG Practical Guide for Winter Service 14 – Customer expectations and public information.	NWSRG Research contractor, NWSRG Working Group 3F (to be formed)	Sam Webb	Proposed Project
12	Innovative winter service (proposed project)	Review of innovations in winter service, including special surfacing and automated spray systems. Preparation of guidance on whether and where innovations would be cost effective in the UK.	March 2013	One chapter for NWSRG Practical Guide for Winter Service 15 – Innovative Winter Service	NWSRG Research contractor (TRL), NWSRG Working Group 3C	David Davies	Proposed Project
13	Storing salt outside uncovered (extension of existing project)	It is claimed that a salt treated with an additive can be stored outside uncovered without (significant) change in condition.	March 2016	Additional guidance for the Salt Storage Chapter of the NWSRG Practical Guide for Winter Service.*	NWSRG Research contractor (TRL), NWSRG Working Group 3A	Peter Turland	Work on Appendix H took priority over all other business plan targets
14	Management of strategic stockpiles	Review of storage arrangements for strategic stockpiles.	March 2016	One chapter for NWSRG Practical Guide for Winter Service 16 – management of strategic salt piles	NWSRG Research contractor (TRL), NWSRG Working Group 3A	TBA	Proposed Project
15	Types of de-icer	Review of de-icers and	September	Two chapters for NWSRG	NWSRG Research	Matthew Evans	Work on Appendix H delayed the

		distribution methodologies available to winter service practitioners.	2014	Practical Guide for Winter Service 1 – De-icer types 9 – Treatment methods and technologies	contractor (TRL),		finalisation of this project.
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